

QT10-15 Automatic Block Making Machine



Dimension:	11500*4050*2800mm	Rating pressure:	31.5MPa
Vibration:	Table vibration	Vibration frequency:	3800-4500r/min
Pallet size:	1100*880*30mm	Cycle time:	15-20s
Power:	45.2KW	Weight:	16800kg

This QT10-15 automatic block making machine ,as the name shows, can make 10 blocks in dimension of 400*200*200mm with each mold .it is capable of making 16000 one day 8 working hours. In addition this product is able to make a variety of blocks or bricks with the variable molds.

Main Technical Specification

	10pcs/Pallet(BLOCK 400*200*200mm)2000pcs/hr.
Production 8 hrs.	52pcs/Pallet(SOLID 240*115*53mm) 10400 pcs/hr.
Production per Shift	36pcs/pallet(HOLLAND BRICK 200*100*60mm)7200pcs/hr. 28pcs/pallet(RIPPLE SHAPE225*112.5*60mm) 5600pcs/hr.
Cycle Time	15-20 seconds
Vibrating speed	0-6,000rpm (rolls per minute)
Vibrating Force	105KN
Motors Power	45.2KW
Machine Dimensions	7568*2060*2968(excluding electrical control box)
Pallet Size	1100*880*30 mm
Gross Weight	about 13.8T
Raw Materials	crushed stone, sand, cement, dust and coal fly ash, cinder, slag, gangue, g ravel, peril, and other industrial wastes
Applied Products	concrete blocks ,solid/hollow/cellular masonry products, paving stones with or without face mix, garden and landscaping products, slabs, kerbstones, grass blocks, slope blocks, interlocking blocks, etc.
Applied Fields	widely used in buildings, road pavings, squares, gardens, landscaping, city constructing ,etc.

Note; All the production parameters are subject to change, without prior notice.

Main Features

1. This automatic block making machine is installed with the airbag cylinder that is used to absorb the vibration,.
2. Designed with the integrated platform for vibrating and molding, the machine functions light weight and high vibrating efficiency.
3. There are tow motors driving the vibrator through the transmission shaft without the

inconsistency of double motors, facilitating the power conservation.

4. The double lined aero vibration resistant system is applied to alleviate the vibrating impact on the mechanical parts. Therefore, this product is able to work for a longer time with noise reduction.

Five Advantages

1. Use frequency Conversional Control technology
 - a) Under the frequency conversion control , this automatic block making machine utilizes the precise guide bearings to ensure the precise and parallel movement between the tamper head and mold, effectively avoiding the deformation of the machine ,in addition, the production rate is increased significantly with improvement of the vibrating efficiency.
 - b) With the frequency controlled vibration .the motors are controlled properly for its instantaneous start and stop so as to avoid overheating resulting from the ceaseless operation
 - c) This product is able to generally save 30% power.
2. Double Proportional and Direction Valves with High Activity
 - a) This automatic block making machine utilizes this value to regulate the oil flow and pressure automatically, preventing the hydraulic cylinder from being damaged by the inertia .Moreover the application of the valve ensures the stable production.
 - b) It chooses the integrated and soft oil pipes with high pressure that are convenient for installation.
3. 360*Multi-shaft Rotating and Compulsory Feeding
 - a) This product offers high speed rotating and compulsory feeding and uniform mixing for the materials to ensure the block or bricks are made with optimal density and intensity. Moreover, the feeding time is largely shortened.
 - b) With the even feeding performance, this product is suited for diverse raw materials and molds
4. Germany Siemens PLC Control System. Touch Screen and Electrical Components
 - a) This automatic block making employs the visualized touch screen that shows the dynamic status of the system .This service is very easy for parameters setting, upgrading and adjusting to optimize the production output. Moreover, it offers automatic warning and automatic trouble shooting through the telecom service. Due to the automatic locking performance , some mechanical accidents caused by operational mistakes can be prevented effectively.
 - b) The Siemens PLC control system presents high adaptability, making sure of the stable and creditable performance of the machine.
 - c) Our product chooses the optimal electrical components from Siemens.
5. Thermal Treatment on Molds and Principal Parts
 - a) This automatic block making machine is designed with the heavy duty frame that `is made of high intensity steel with progressive thermal treatment. Both the machine and the molds are highly abrasion resistant.
 - b) The hardness of the product is tested to be HRC 52.
 - c) Due to the advanced production technology, the machine has an increase of lifespan by 50%



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